

Product Range

A worldwide

Philosophy

It might be a small world, but there is a lot of room for thinking big. We are a company based in 84 countries with 11 production plants.



Arcugnano
(Italy)

Desenzano (Italy)
Romilly (France)
Budapest (Hungary)
Shanghai (China)

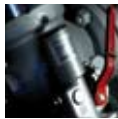




Gas Pressure Regulators



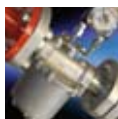
Control Valves



Safety Devices



Valves and Actuators



Gas Treatment



Gas Metering



Smart Gas Grid



Stations



Services



Gas Pressure Regulators

Pilot Operated Pressure Regulators

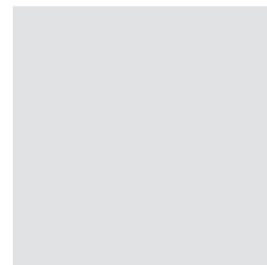
Reflux 819

Pilot-operated "fail close" regulator

Design pressure: up to 102 bar (1479 Psig)
 Inlet pressure range: 0,8 to 102 bar (11,6 to 1479 Psig)
 Outlet pressure range: 0,3 to 74 bar (5 to 1073 Psig)
 Design temperature range: -20°C to + 60°C (-4° to + 140°F)
 Ambient temperature range: -40°C to + 60°C (-40° to + 140°F)
 Accuracy class AC: up to 1
 Lock-up pressure class SG: up to 5
 Available sizes DN: 1" -2" -3" -4" -6" -8" -10"
 Flanging: class 150-300-600 RF or RTJ and PN16

Modular Accessories:

- Incorporated slam shut valve (SB/82 or HB/97).
- Incorporated silencer (DB/819).
- Incorporated monitor (PM/819).



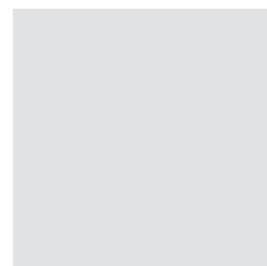
Reflux 819/FO

Pilot-operated "fail open" regulator

Design pressure: up to 102 bar (1479 Psig)
 Inlet pressure range: 3 to 102 bar (43 to 1479 Psig)
 Outlet pressure range: 1 to 74 bar (14,5 to 1073 Psig)
 Design temperature range: -20°C to + 60°C (-4° to + 140°F)
 Ambient temperature range: -40°C to + 60°C (-40° to + 140°F)
 Accuracy class AC: up to 1
 Lock-up pressure class SG: up to 5
 Available sizes DN: 1" -2" -3" -4" -6" -8" -10"
 Flanging: class 150-300-600 RF or RTJ and PN16

Modular Accessories:

- Incorporated slam shut valve (SB/82 or HB/97).
- Incorporated silencer (DB/819).
- Incorporated monitor (PM/819).



The following symbols indicate the application area suggested for each product.

Aperflux 851 / Aperflux 101

Pilot-operated “fail open” regulator

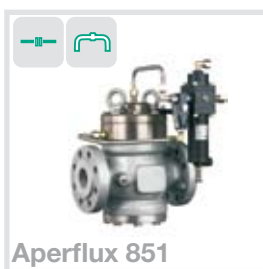
Design pressure: up to 102 bar (1479 Psig)
 Inlet pressure range: 1,3 to 85 bar (18,8 to 1230 Psig)
 Outlet pressure range: 0,8 to 74 bar (12 to 1073 Psig)
 Design temperature range: -20°C to + 60°C (-4° to + 140°F)
 Ambient temperature range: -40°C to + 60°C (-40° to + 140°F)
 Accuracy class AC: up to 1
 Lock-up pressure class SG: up to 5
 Available sizes: Aperflux 851 DN: 1"-2"-3"-4"-6"-8"-10"
 Aperflux: DN 101: 2"-3"
 Flanging: class 150-300-600 RF or RTJ and PN16

Modular Accessories:

- Incorporated slam shut valve (SB/82 or HB/97).
- Incorporated silencer (DB/851).
- Incorporated monitor (PM/819).



...+SB82 + DB851



Aperflux 851



... +PM819



Aperflux 101

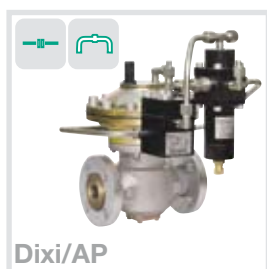
Dixi/AP

Pilot-operated “fail close” regulator

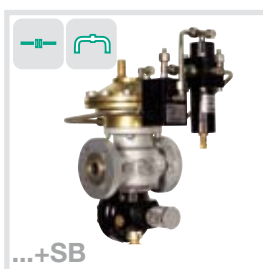
Design pressure: up to 85 bar (1232 Psig)
 Inlet pressure range: 1,5 to 85 bar (21,75 to 841 Psig)
 Outlet pressure range: 0,5 to 25 bar (7,25 to 362 Psig)
 Design temperature range: -20 °C to +60 °C (-4 to + 140°F)
 Ambient temperature range: -40°C to + 60°C (-40° to + 140°F)
 Accuracy class: AC: up to 1
 Lock-up pressure class SG: up to 5
 Available size DN: 1"
 Flanging: class 300-600 RF or RTJ and PN 16-25-40

Modular Accessories:

- Incorporated slam shut valve (SB/87).



Dixi/AP



...+SB





Gas Pressure Regulators

Pilot Operated Pressure Regulators

DIXI

Pilot-operated "fail close" regulator

Design pressure: up to 18,9 bar (275 Psig)
 Inlet pressure range: 0.5 to 18,9 bar (7,25 to 275 Psig)
 Outlet pressure range: 6 to 6000 mbar (2,4" w.c. to 87 Psig)
 Design temperature range: -20 °C + 60 °C (-4° to + 140 °F)
 Ambient temperature range: -40 °C to +60 °C (-40° to + 140 °F)
 Accuracy class AC: up to 2,5
 Lock-up pressure class SG: up to 5
 Available sizes DN: 1" - 1 1/2" - 1 1/4"
 Flanging: class 150 RF and PN16

Modular Accessories:

- Incorporated slam shut valve (LA).



Dixi

Reval 182

Pilot-operated "fail close" regulator

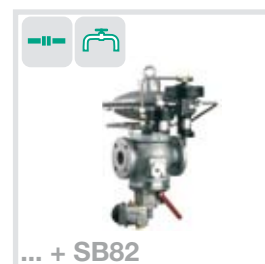
Design pressure: up to 25 bar (362,5 Psig)
 Inlet pressure range: 0,15 to 25 bar (2,2 to 362,5 Psig)
 Outlet pressure range: 7 mbar to 12 bar (2,8"w.c. to 174 Psig)
 Design temperature range: -20°C to + 60°C (-4° to + 140°F)
 Ambient temperature range: -40°C to + 60°C (-40° to + 140°F)
 Accuracy class AC: up to 2,5
 Lock-up pressure class SG: up to 5
 Available sizes DN: 1" -2" -2 1/2" -3" -4" -6" -8" -10"
 Flanging: class 150 RF or RTJ and PN16/25/40

Modular Accessories:

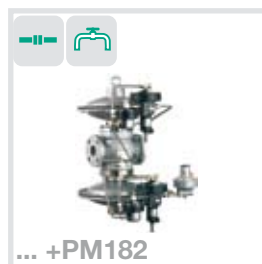
- Incorporated slam shut valve (SB/82 or SA type).
- Incorporated silencer (DB/182).
- Incorporated monitor (PM/182).



Reval 182



... + SB82



... +PM182



...+ DB/182 + SB82



The following symbols indicate the application area suggested for each product.



...+DB



Terval



Terval/R

Terval

Pilot-operated regulator with three in one functions: main regulator, monitor, slam-shut

TERVAL/A: “fail open” Aperval main regulator + “fail close” Reval monitor + VB slam shut

TERVAL/R: “fail close” Reval main regulator + “fail close” Reval monitor + VB slam shut

Design pressure: up to 25 bar (362 Psig)

Inlet pressure range: 0,5 to 25 bar (7.25 to 362 Psig)

Outlet pressure range: 5 mbar to 9500 mbar (2”w.c. to 137.5 Psig)

Design temperature range: -20°C to + 60°C (+4° to + 140°F)

Ambient temperature range: -40 °C to +60 °C (-40° to + 140°F)

Accuracy class AC: up to 2,5

Lock-up pressure class SG: up to 5

Available sizes DN: 2” -2”1/2 -3” -4”

Flanging: class 150 RF and PN16

Modular Accessories:

- Incorporated silencer (DB/182)

Aperval 182 / Aperval 101

Pilot-operated “fail open” regulator

Design pressure: up to 25 bar (362 Psig)

Inlet pressure range: 0,5 to 25 bar (7.25 to 362 Psig)

Outlet pressure range: 5 mbar to 9500 mbar (2”w.c. to 137.5 Psig)

Design temperature range: -20°C to + 60°C (-4° to + 140 °F)

Ambient temperature range: -40 °C to +60 °C (-40° to + 140°F)

Accuracy class AC: up to 2,5

Lock-up pressure class SG: up to 5

Available sizes: Aperval DN 1”-2”-2”1/2-3”-4”

Aperval 101 DN 2”-3”

Flanging: class 150 RF or RTJ and PN24/40

Modular Accessories:

- Incorporated slam shut valve (SA).
- Incorporated silencer (DB/182).
- In line monitor function (PM/182).



Aperval 101



Aperval



Exploration
& Production



Transmission



Distribution
& Industrial



Residential and
Commercial



Gas Pressure Regulators

Direct Acting Pressure Regulators

Norval Spring loaded regulator

Design pressure: up to 18,9 bar (275 Psig)
 Outlet pressure range: 8 to 4400 mbar (3" w.c. to 63,8 Psig)
 Design temperature range: -20 °C to +60 °C (-4° to + 140 °F)
 Ambient temperature range: -40 °C to +60 °C (-40° to + 140 °F)
 Accuracy class AC: up to 5
 Lock-up pressure class SG: up to 10
 Available sizes DN: 1" - 1 1/2" - 2" - 2 1/2" - 3" - 4" - 6" - 8"
 Flanging: class 150 RF and PN16

Modular Accessories:

- Incorporated slam-shut valve (SN).
- in-line monitor function.

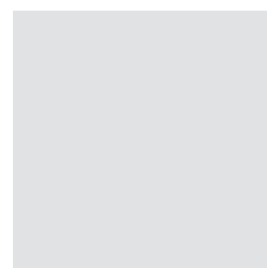
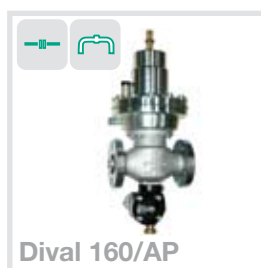


Dival 160/AP Spring loaded regulator

Design pressure: up to 85 bar (1232 Psig)
 Outlet pressure range: 0,85 to 4,5 bar (12,32 to 62,85 Psig)
 Design temperature range: -10 °C + 60 °C (14° to + 140 °F)
 Ambient temperature range: -20 °C to +60 °C (-4° to + 140 °F)
 Accuracy class AC: up to 5
 Lock-up pressure class SG: up to 10
 Available sizes DN: 1"
 Flanges: class 300-600 RF

Modular Accessories:

- Incorporated slam-shut valve (SB/87).

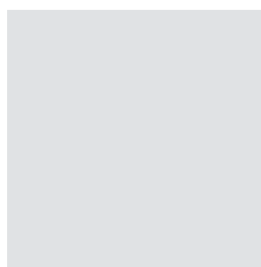
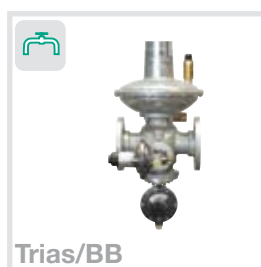


Trias Multifunction spring loaded regulator

TRIAS/BB - Main regulator + 2 slam-shut valves
 Inlet pressure range: 0,2 - up to 17 bar (2,9 to 246 Psig)
 Outlet pressure range: 15 to 4000 mbar (6,02" w.c. to 58 Psig)
 Design temperature range: -20 °C to +60 °C (-4° to + 140 °F)
 Ambient temperature: -40 °C to +60 °C (-40° to + 140 °F)
 Accuracy class AC: up to 5
 Lock-up pressure class SG: up to 10

TRIAS/M: Main regulator + monitor
 TRIAS/BM: Main regulator + monitor + slam-shut valve
 Inlet pressure range: 0,2 - up to 8 bar (2,9 to 116 Psig)
 Outlet pressure range: 15 to 4000 mbar (6,02" w.c. to 58 Psig)
 Design temperature range: -20 °C to +60 °C (-4° to + 140 °F)
 Ambient temperature: -40 °C to +60 °C (-40° to + 140 °F)
 Accuracy class AC: up to 5
 Lock-up pressure class SG: up to 10

Available sizes DN: 1" 1/2 - 2"
 Flanging class: ANSI 150 RF; PN 16



The following symbols indicate the application area suggested for each product.


Staflux 185

Staflux 185

Direct-acting regulator with pressurized chamber

Design pressure: up to 102 bar (1479 Psig)
 Inlet pressure range: 1,3 to 85 bar (18,85 to 1233 Psig)
 Outlet pressure range: 1 to 75 bar (14,5 to 1087 Psig)
 Design temperature range: -20 °C to + 60 °C (-4 to + 140 °F)
 Ambient temperature range: -40 °C to + 60°C (-40° to + 140 °F)
 Accuracy class AC: up to 5
 Lock-up pressure class SG: up to 10
 Available sizes DN: 1" - 2" - 3"
 Flanging: class ANSI 300-600 RF or RTJ

Modular Accessories:

Incorporated slam-shut valve (SB/185).


Staflux 187

Staflux 187

Direct-acting regulator with pressurized chamber

Design pressure: up to 250 bar (3626 Psig)
 Inlet pressure range: 2 to 250 bar (29 to 3626 Psig)
 Outlet pressure range: 1 to 75 bar (14,5 to 1087 Psig)
 Design temperature range: -20 °C to + 60 °C (-4° to + 140 °F)
 Ambient temperature range: -30 °C to + 60 °C (-22° to + 140 °F)
 Accuracy class AC: up to 5
 Lock-up pressure class SG: up to 10
 Available size DN: 1"
 Connections: flanged ANSI 900-1500 RF


Staflux Mini

Staflux Mini

Direct-acting regulator with pressurized chamber

Design pressure: up to 250 bar (3626 Psig)
 Maximum inlet pressure Pu: 250 bar (3626 Psig)
 Outlet pressure range: 4 to 75 bar (58 to 1087 Psig)
 Design temperature range: -20 °C to + 60 °C (-4° to + 140 °F)
 Ambient temperature range: -30 °C to + 60 °C (-22° to + 140 °F)
 Available size DN: 1"
 Connections: flanged ANSI 900- 1500 RF or threaded NPT





Gas Pressure Regulators

Direct Acting Pressure Regulators

ATF Anti-freeze One-stage pressure reducing valve

Design pressure: 250 bar (3626 Psig)
 Inlet pressure range: 2 to 250 bar (29 to 3626 Psig)
 Outlet pressure range: 1,5 to 60 bar (21,75 to 870 Psig)
 Design and ambient temperature range: -20 °C to +60 °C (-4° to + 140 °F)
 Accuracy class: up to 5
 Lock-up pressure class SG: up to 10
 Threaded connections: Piping connection: Dn 1" ANSI B 2.1 NPT
 Outlet connection: Rp 1/4" ISO 7/1.
 ATF 16: Heating fluid side connection: 2" NPT · Inlet gas side connection:
 1/4" NPT · Outlet gas side connection: Rp 1/4" ISO7/1."



Dival 600 Spring loaded regulator

Inlet pressure range: 0,1 to 20 bar (40" w.c. - 290 Psig)
 Outlet pressure range: 12 to 4200 mbar (5" - 1688" w.c.)
 Design temperature range: -20 °C to +60 °C (-4° to + 140 °F)
 Ambient temperature range: -40 °C to +60 °C (-40° to + 140 °F)
 Accuracy class AC: up to 5
 Lock-up pressure class SG: up to 10
 Available sizes: DN 1" (25) - 1"1/2 (40) - 2" (50)
 Flanging class: PN 16/25; ANSI 150 RF , ANSI 125 FF
 Threaded connections: DN 2" Rp ISO 7/1 or DN 2" NPTF



Modular Accessories:

- Incorporated slam shut valve for over and under pressure (LA).
- In line monitor function.
- Incorporated silencer.
- Relief valve.

Dival 700 Burner regulator

Inlet pressure range: 0,1 to 8,63 bar (40" w.c. - 125 Psig)
 Outlet pressure range: 5 to 1454 mbar (2" - 21 Psig)
 Design temperature range: -20 °C to +60 °C (-4° to + 140 °F)
 Ambient temperature range: -40 °C to +60 °C (-40° to + 140 °F)
 Accuracy class AC: up to 5
 Lock-up pressure class SG: up to 5
 Available sizes: DN 1" (25) - 1"1/2 (40) - 2" (50)
 Flanging class: PN 16/25; ANSI 150 RF , ANSI 125 FF
 Threaded connections: DN 2" Rp ISO 7/1 or DN 2" NPTF

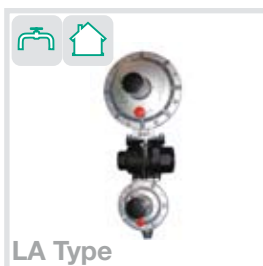
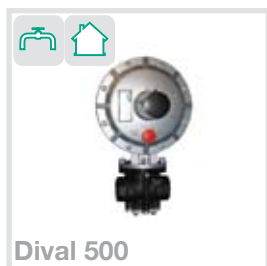


Modular Accessories:

- Incorporated slam shut valve for over and under pressure (LA).
- In line monitor function.
- Relief valve.



The following symbols indicate the application area suggested for each product.



Dival 500

Spring loaded regulator

Inlet pressure range: BP 0,5 up to 10 bar (7,3 - 145 Psig)

MP-TR: 0,5 up to 20 bar (7,3 - 290 Psig)

Outlet pressure range: 15 to 2500 mbar (6" - 1004" w.c.)

Design temperature range: -20 °C to + 60 °C (-4° to + 140 °F)

Ambient temperature range: -40 °C to + 60 °C (-40° to + 140 °F)

Available sizes: 1"x1" ISO 7/1; 1"x1"1/2 ISO 7/1 (NPT on demand)

Screwed or flanged PN16 & ANSI 150

Modular Accessories:

- Incorporated slam shut valve for over and under pressure (LA).
- In line monitor function.
- Incorporated relief valve



Dival 507 - 512

Spring loaded regulator

Inlet pressure range: BP: 0.5÷10 bar (7,3 - 145 Psig)

MP -TR: 0,5 - 20 bar (7,3 - 290 Psig)

Outlet pressure range: 15 mbar to 3000 mbar (6" - 1205" w.c.)

Design temperature range: -20 °C to + 60 °C (-4° to + 140 °F)

Ambient temperature range: -40 °C to + 60 °C (-40° to + 140 °F)

Available sizes: Dival 507 1" x 1" ISO 7/1

Dival 512 1" x 1"1/2 ISO 7/1

Screwed or flanged PN 16 & ANSI 150

Modular Accessories:

- Incorporated slam shut valve for over and under pressure (LA).
- In line monitor function.
- Incorporated relief valve



Gas Pressure Regulators

Residential Gas Pressure Regulators

Governors

Pressure regulator, with or without integral filter

Inlet pressure range: 2,5 mbar to 500 mbar (1" to 200" w.c.)

Max allowable pressure PS: 1 Bar (14,5 Psig)

Outlet pressure range: 5 to 300 mbar (2" to 120" w.c.)

Accuracy class AC: up to 15 (EN 88-2)

Lock-up pressure class SG: +7.5 mbar (3 w.c.) / up to +30% of the Pd (EN 88-2)

Design and Ambient temperature range: -15°C + 60°C (5° to 140°F)



Governors

GR6

Double stage low pressure regulators

Inlet pressure range: 150-400 mbar (60,3" - 160,7" w.c.)

Max allowable pressure PS: 5bar (72,5 Psig)

Max outlet pressure: 20 mbar (8" w.c.)

Max outlet pressure during reset: 50 mbar

Accuracy class AC: 10

Lock up pressure class SG: 25

Design temperature range: - 5° + 40° C (+25° +104°F)

Ambient temperature range: - 25° + 60° C (-13° +140° F)



GR6

FE - FB

Double Stage Pressure Regulators

FE-FB 6-10-25-50 stmc/h N.G.

Inlet pressure range: 0,15-7 bar (60"w.c. - 102 Psig)

Max allowable pressure PS: 8.6 Bar (125 Psig)

Outlet pressure range: 13 to 500 mbar (5.2" ÷ 201" w.c.)

Accuracy class AC: up to 5

Lock up pressure class SG: up to 20

Design temperature range - 25° + 60° C (-13° +140° F)

Ambient temperature range: - 40° to + 60° C (- 40° +140° F)



FE



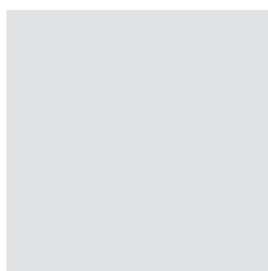
FB

Modular Accessories:

- Safety shut-off device for over and under pressure.
- Relief valve.
- Inlet filter.
- Excess flow valve



The following symbols indicate the application area suggested for each product.



FEX

Double Stage Pressure Regulators

FEX 50-75-100 stmc/h N.G.

Inlet pressure range: 0,3 -8,6 bar (120" w.c. - 125 Psig)

Max allowable pressure PS: 8.6 Bar (125 Psig)

Outlet pressure range: 13 - 350 mbar (5.2" - 140,6" w.c.)

Accuracy class AC: up to 5

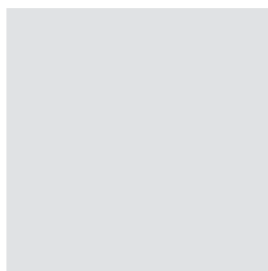
Lock up pressure class SG: up to 20

Design temperature range - 25° + 60° C (-13° +140° F)

Ambient temperature range -40° to + 60° C (-40° to + 140° F)

Modular Accessories:

- Safety shut-off device for over and under pressure.
- Relief valve.
- Inlet filter.



B6-B10

Natural Gas pressure regulator

Inlet connection: Nut 3/4" Spherical Cone Joint

Outlet connection: B6: Nut 6/20 Flat Gas Meter Joint

B10: Nut 10/32 Flat Gas Meter Joint

Design temperature range -20° to + 60° - (-4° +140°F)

Flow B6: 6 m3/h to 300 mbar (120" w.c.) -7.2 m3/h guarantee at 500 mbar (200" w.c.)

B10 10 m3/h to 300 mbar (120" w.c.) -12 m3/h guarantee at 500 mbar (200" w.c.)

Set security flow B6-B10: Between 110 and 150% of nominal flow

B6 UNN - B10 UN Between 120 and 150% of nominal flow

Standard: Authorized by GDF



HP 100

Single stage high pressure spring loaded regulator

Inlet pressure range: 1 ÷20 bar (14.5÷290 Psig)

Max allowable pressure PS: 20 bar (290 Psig)

Outlet pressure range:

AP: 200÷800 mbar (80,4" - 321.5" w.c.)

TR: 800÷4500 mbar (321.5" - 1808.4" w.c.)

Accuracy class: AC up to 5

Lock up pressure class SG: up to 30

Design and temperature range: -20°C +60°C - (-4° +140°F)

Modular Accessories:

- Safety shut-off device for lack of feeding.
- In Line monitor function.
- Relief valve.
- Inlet filter.





Control Valves

Control Gas Valves

Reflux 919

Pneumatic control valve

Design pressure PS: up to 102 bar (1479 Psig)
 Maximum inlet pressure: 85 bar (1232 Psig)
 Maximum pressure drop: 83 bar (1203 Psig)
 Rangeability: 500:1
 Direct or reverse action
 Design temperature range - 20° + 60° C (- 4° +140° F)
 Ambient temperature range - 40° to + 60° C (- 40° to +140° F)
 Available sizes DN: 1"-2"-3"-4"-6"-8"-10"
 Flanges: ANSI 150/300/600 RF or RTJ

Modular Accessories:

- Incorporated slam shut valve (SB/82 or HB/87).
- Incorporated silencer (DB/919).
- Pneumatic or electropneumatic positioner.
- Excess flow valve



Reflux 919

VLM

Manual actuated control valve

Design pressure PS: up to 102 bar (1479 Psig)
 Maximum pressure drop: 83 bar (1203 Psig)
 Rangeability: 200:1
 Design temperature range: - 20° + 60° C (- 4° +140° F)
 Ambient temperature range: - 40° to + 60° C (- 40° to +140° F)
 Available sizes DN: 1"- 2"- 3"- 4"- 6"- 8"- 10"
 Flanging: ANSI 150/300/600 RF - RTJ; PN 16 /25/40

Modular Accessories:

- Incorporated slam shut valve (SB/82).



VLM



The following symbols indicate the application area suggested for each product.



Syncroflux

Electrically actuated control valve

Design pressure PS: up to 102 bar (1479 Psig)
 Maximum pressure drop 83 bar (1203 Psig)
 Rangeability: 500:1
 Design temperature range - 20° + 60° C (- 4° +140° F)
 Ambient temperature range - 40° to + 60° C (- 40° to +140° F)
 Size DN: 1" - 2" - 3" - 4" - 6" - 8" - 10"
 Flanging: ANSI 150/300/600 RF-RTJ; PN16

Modular Accessories:

- Incorporated slam shut valve (SB/82 or HB/97).
- Incorporated silencer (DB/819).



Deltaflux

Pneumatic, electric or manually operated control valve

Design pressure PS: up to 220 bar (3190,83 Psig)
 Design temperature range: -29°C to + 121°C (-20 to + 250 °F)
 Rangeability: 200:1
 Sizes DN: up to 24"
 Flanges: ANSI 150/300/600/900/1500 according to ASME B 16.34
 End to end dimension: according to API 6D
 Options: gas flow control application, liquid flow control application.





Safety Devices

Slam Shut Valves

HBC 975

Slam-shut valve

Design pressure PS: 102 bar (1479 Psig)
 Design temperature range: - 20 °C to +60 °C (-4° to + 140 °F)
 Ambient temperature range: - 40° to + 60° C (- 40° to + 140° F)
 Over-pressure range: 1,3 to 85 bar (18,85 to 1232 Psig)
 Under-pressure range: 0,4 to 75 bar (5,8 to 1087 Psig)
 Accuracy class AG: up to 1
 Available sizes DN: 4" - 6" - 8" - 10"
 Flanges: ANSI 300/600 RF-RTJ;



HBC 975

SBC/782

Slam-shut valve

Design pressure PS: up to 102 bar (1479 Psig)
 Design temperature range: -20 °C to +60 °C (-4° to + 140 °F)
 Ambient temperature range: - 40° to + 60° C (- 40° to + 140° F)
 Over-pressure range: 0,02 to 100 bar (8"w.c. to 1450 Psig)
 Under-pressure range: 0,01 to 88 bar(4"w.c. to 1276 Psig)
 Accuracy class AG: up to 1
 Available sizes DN: 1" - 2" - 2"1/2 - 3" - 4" - 6" - 8" -10"
 Flanges: ANSI 150 - 300 -600 RF and PN 16/25/40



SBC/782

SBC/187

Slam-shut valve

Design pressure PS: up to 250 bar (3626 Psig)
 Design temperature range: -20 °C to +60 °C (-4° to + 140 °F)
 Ambient temperature range: - 40° to + 60° C (- 40° to + 140° F)
 Over-pressure range: 0,02 to 100 bar (8"w.c. to 1450 Psig)
 Under-pressure range: 0,01 to 88 bar(4"w.c. to 1276 Psig)
 Accuracy class AG: up to 1
 Available sizes DN: 1"
 Flanges: ANSI 900 - 1500 RF /RJ



SBC/187

SCN

Slam-shut valve

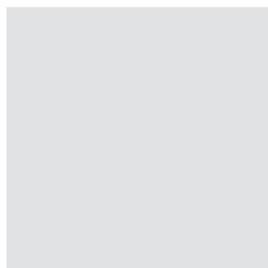
Design pressure PS: 18,9 bar (274,5 Psig)
 Design temperature range: - 20 °C to +60 °C (-4° to + 140 °F)
 Ambient temperature range: - 40° to + 60° C (- 40° to + 140° F)
 Over-pressure range: 0,025 to 5 bar (10"w.c. to 72,5 Psig)
 Under-pressure range: 0,01 to 3 bar (4"w.c. to 43,5 Psig)
 Accuracy class AG: up to 5
 Available sizes DN: 1" - 1"1/2 - 2" - 2"1/2 - 3" - 4" - 6" - 8"
 Flanges: ANSI 150 RF or FF and PN 16



SCN



The following symbols indicate the application area suggested for each product.

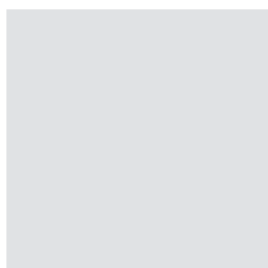

Dilock

Dilock

Slam-shut valve

Design pressure PS: up to 18,9 bar (275 Psig)
 Design temperature range: - 20 °C to +60 °C (-4° to + 140 °F)
 Ambient temperature range: - 40° to + 60° C (- 40° to + 140° F)
 Over-pressure range: 0,03 to 5,5 bar (12" w.c. to 79 Psig)
 Under-pressure range: 0,006 to 3,5 bar (2,4" w.c. to 50,76 Psig)
 Accuracy class AG: AG: up to 5
 Available sizes DN: 1" - 1" 1/2- 2"
 Flanges: ANSI 150 RF; threaded NPT and PN 16

Relief Valves


PVS 782

PVS 782

Pilot-operated high-accuracy safety relief valve

Design pressure: up to 102bar (1479 Psig)
 Design temperature range: - 20 °C to +60 °C (-4 to + 140 °F)
 Ambient temperature range: - 40° to + 60° C (- 40° to + 140° F)
 Set range: 1,5 to 75 bar (21,75 to 1087 Psig)
 Accuracy class AG: ± 2%
 Available sizes DN: 1" - 2" - 3" - 4" - 6" - 8"
 Flanges: ANSI 150/300/600 RF o RTJ; and PN 16


VS/AM 58

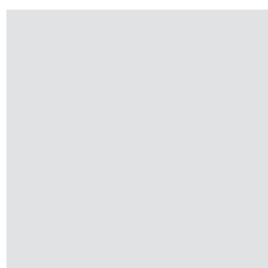
VS/AM 65

VS/AM

Spring loaded safety relief valves

...65 Design pressure PS: 20 bar (290 Psig)
 Set range: 20 mbar to 7 bar (8" w.c. to 101 Psig)
 ...58 Design pressure PS: 102 bar (1479 Psig)
 Set range: 2 to 44 bar (29 to 638 Psig)

Accessories


Push

Push

Three way switch valve

Body design pressure: 102 bar (1479 Psig)
 Design temperature range: -10 to +50°C (14 to 122°F)
 Max working pressure:
 - type BP 3.5 bar (50,76 Psig)
 - type AP 60 bar (870,22 Psig)



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Transmission



Distribution
& Industrial



Residential and
Commercial



Valves and Actuators

Ball Valves

Full or reduced bore ball valves

Rating in compliance with ANSI 150/300/ 600/900/1500

Sizes (DN): 1/4" ÷ 36" (15 ÷ 900 mm)

Connections: BSP threaded from DN 1/4" to DN 2"

Flanged from DN 1/2" to DN 36"

ANSI 150/300/600/900/1500 RF-RTJ; PN 16/40/64

Options: manual control; electric, pneumatic or hydraulic servo-controls.



Split Body



Trunnion



Fully Welded



Underground



Bar Stock

Butterfly Valves

BF 31 - 32

Butterfly valves with single or dual sealing rings

Design pressure PS: up to 19 bar (275,5 Psig)

Sizes DN: 40 ÷ 1000

Flanges: ANSI 150 RF; PN16

Options: manual control; electric, pneumatic or hydraulic servo-controls.

...BF32: dual sealing rings on the disk up to DN 250

...BF31: single sealing ring for DN 300 up to DN 1000



BF 31



BF 32



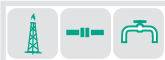
The following symbols indicate the application area suggested for each product.

Valves **Actuators**

PD

Double acting pneumatic actuators

PD actuators are double acting pneumatic devices, suitable for the operation of quarter turn valves (ball valves, butterfly valves).



PD2/96 - PD3/96



PD4 - PD4/S - PD5



PDM



PRM

PDM/PRM

Spring return pneumatic actuators

PDM and PRM actuators are spring return devices, suitable for the operation of quarter turn valves (ball valves, butterfly valves).





Gas Treatment

Gas Filters

Multi-Cartridge Filters

Cartridge filter for high pressure with quick closing head

Design pressure: up to 150 bar (2175,51 Psig)
Flanges: ANSI 150/300/600/900 RF - RTJ

FFY : Vertical construction.
FFH : Horizontal construction.



FFY



FFH

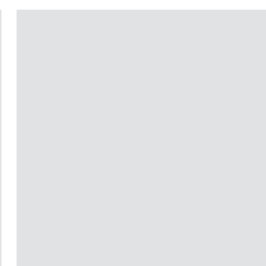
HFA/...TRC

Cartridge filters for high pressure with quick closure.

Design pressure: up to 102 bar (1479 Psig)
Flanges: ANSI 300/600 RF - RTJ



HFA/...TRC

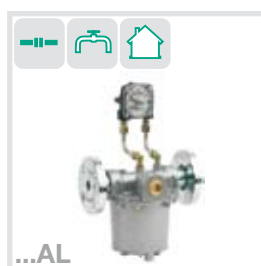


HF...

Cartridge filters with high filtering power for medium pressure with bolted cover

Max allowable pressure: 17,6 bar (255 Psig)
Design temperature range: -15°C + 80°C (5°F to 176°F)
Threaded series connections: UNI-ISO 7/1 1/2" to 2"
Flanged series connections: EN 1092 DN25-32-40-50
HFA/...: in-line inlet/outlet
HFB/...: angle inlet/outlet

HF-AL: filter with threaded or flanged connections
Max allowable pressure: 10 bar (145 Psig)



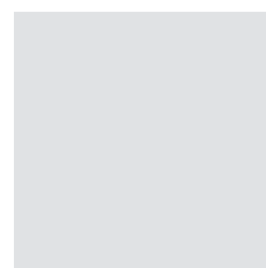
...AL



HFA



HFB



The following symbols indicate the application area suggested for each product.



Series 10...

Gas filters suitable for all types of natural gas, LPG or non corrosive gases.

SERIES 10000

Threaded connections UNI-ISO 7/1 1/2"-3/4"

Max allowable pressure: PS 10 bar (145 Psig)

Design temperature range: -15°C + 80°C (5°F to 176°F)

Filtration capacity: 50 micron

SERIES 102.. 106...

Flanged Mod. 10210/F DN150:

max allowable pres.: PS 2 bar (29 Psig)

Design temperature range: -15°C + 80°C (5°F to 176°F)

Filtration capacity: 50 micron

Threaded series connections: UNI-ISO 7/1 1/2" to 2"

Flanged series connections: EN 1092 Sliding flanges DN25-32-40-50

Integral flanges DN65-80-100

Threaded series 106... : max allowable pres.: PS 10 bar (145 Psig)

Flanged series 106.../F : max allowable pres.: PS 10 bar (145 Psig)

Accessories

DP

Differential Pressure Gauge



- DP 1 0 ÷ 150 mbar
- DP 3 0 ÷ 300 mbar
- DP 5 0 ÷ 600 mbar
- DP 10 0 ÷ 1000 mbar



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Gas Treatment

Gas Separators



Separators

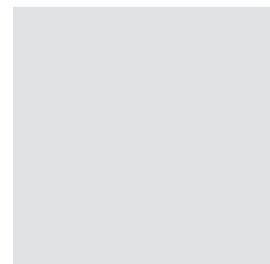
Condensate separators for high pressure with quick closing head.

Flanges: ANSI 150/300/600/900 RF - RTJ

VSV...: Vertical construction
VSH...: Horizontal construction



VSH



Multi Stage Separators

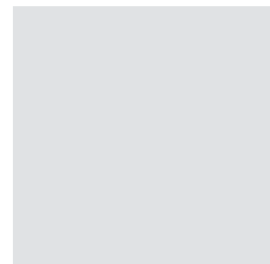
Two-stage condensate separator for high pressures with quick-closing head.

Design pressure: up to 150 bar
Flanges: ANSI 150/300/600/900 RF - RTJ
API 12J monogramable

FSY : Vertical construction
FSH : Horizontal construction



FSH



The following symbols indicate the application area suggested for each product.

Heat Exchangers

KSI

Heat exchanger with removable tube bundle

Design pressure: up to 102 bar (1479 Psig)
Flanges: ANSI 300/600 RF - RTJ



KSI

Heaters

GH...

Indirect bath heaters

Indirect bath heaters have a wide variety of successful applications in the oil and gas production, processing and transmission industry.

The duty of Pietro Fiorentini heaters can vary from 90Kw up to 10Mw.

API 12K monogramable



GH...

Gas Odorizing Systems

Dosafit

Electronic odorizing system

OLF

Lapping odorizing system

ODOMATIC

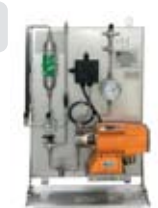
Electronic dosing odorizing pump system



OLF



Dosafit



Odomatic



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Gas Metering

Diaphragm Gas Meter



G4



G6

MODEL		RS 2,4			RS/2001 LA & AL			RS/2001 LA Single connection		
Clas		G6 CEE	G4 MID	G6 MID	G1,6 CEE and MID	G 2,5 CEE and MID	G4 CEE and MID	G1,6 CEE and MID	G2,5 CEE and MID	G4 MID
Cyclic volume	[dm3]	2,4	2,4	2,4	1,2	1,2	1,2	1,2	1,2	1,2
Maximum flow rate	[m3/h]	10	6	10	2,5	4	6	2,5	4	6
Minimum flow rate	[m3/h]	0,06	0,04	0,06	0,016	0,025	0,04	0,016	0,025	0,04
Maximum working pressure	[bar]	0,5	0,5	0,5	0,5 (steel) 1,6 (aluminium)			0,5		
Working temperature range	[°C]	-25 ÷ +55	-10 ÷ +40	-10 ÷ +40	-25 ÷ + 55 (CEE) -10 ÷ + 40 (MID)					
Connections	Inches	1" ¼	1" ¼	1" ¼	From ¾" to 1"1/4			2"		
Distance between connections	mm	250			110 – (160 – 250) (steel) 110 (aluminium)					
Version		steel plate, die-cast aluminium	steel plate		steel plate, die-cast aluminium			steel plate		

Smart Gas Meter

HyMeter is a hybrid technology commercial meter. It combines new generation electronical features with a diaphragm metering gear and a metal body. HyMeter mechanical register is now replaced by an electronic totalizer equipped with a data transmission device and a remote firmware upgrade function



HM 4



HM 6

MODEL		HM 2,5	HM 4	HM 6	HM 10 MID	HM 16 MID	HM 25 MID
Cyclic volume	[dm3]	1,2	1,2	6	6	6	12
Maximum flow rate	[m3/h]	4	6	10	16	25	40
Minimum flow rate	[dm3/h]	25	40	60	100	160	250
Maximum working pressure	[bar]	0,1			0,5		
Working temperature range	[°C]	-25 ÷ +55					
Connections	Inches	1" ¼	1" ¼	1" ¼	1" ¼ - 2"	2"	2" 1/2
		steel case with connection interaxis 110 mm					



The following symbols indicate the application area suggested for each product.

Electronic Volume Conversion Device

Explorer FT

Volumetric flow Computer FT is a microcomputer gas flow corrector designed to measure the line pressure, temperature and the volumes of the gas. These are used to calculate the appropriate compressibility equations to compute the real gas flow.



Explorer Plus

Explorer Plus is designed to optimize installation and maintenance, it meets the most recent regulations and maintains compatibility with existing Explorer family product and accessories.

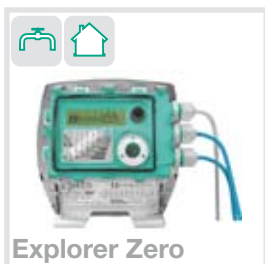
NanoPico is a battery operated remote communication device suitable to be connected with EVCD Explorer Plus series electronic volume converter.

Its application is ideal when power supply for remote communication is not available on site.



Explorer...

Explorer Mini and Explorer Zero are the new volume correctors by Pietro Fiorentini designed with a built-in modem that allows the installation of a single device directly in a ATEX hazardous area.



Floweb

Microprocessor based Flow Computer

Multistream configuration

Approved for custody transfer service

Suitable for service in combination with orifice (Dp), volumetric or ultrasonic meters



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Gas Metering

Orefice Fittings

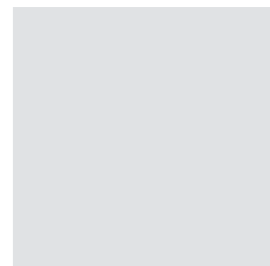


Fiomaster

Dual chamber orifice fittings

The classic dual chamber orifice plate, for orifice removal under pressure now with the advantage of Electroless Nickel Plated body for a real rust free performance.

Rating: ANSI 150/300/600
Sizes DN: 2" to 24"

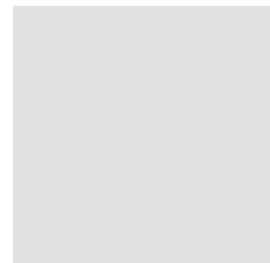


Fiominor

Single chamber orifice fittings

Single chamber orifice fittings available in size range

Rating: up to Class 1500
Sizes DN: 2" to 24"



The following symbols indicate the application area suggested for each product.



Smart Gas Solutions

FIO - 2.0

Five-in-One system is a monitor managing and control unit for pressure regulators.

It can be equipped on both Pilot operated and spring loaded regulators to enable additional functionalities like:

Indirect flow measurement

Flow limitation

Pressure profiling by time or real time demand based

Process monitoring



Information and Actions

Alarm Management & Data Aquisition

We monitor the plants continuously, automatically and promptly reporting any anomalies, being able to take care of on site emergencies.



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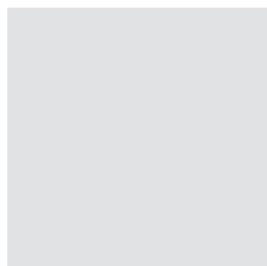
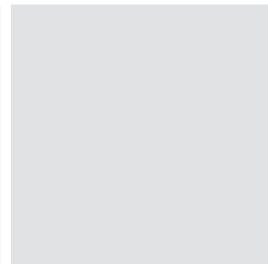


Stations

Complete Units

From components to complete units

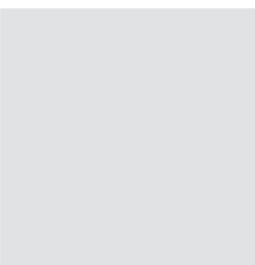
Creating a different approach in handling sophisticated projects is our target. We have the ambition of being a single interface covering all the different aspects of the projects, irrelevantly of the sophistication. An unique "single stop" concept resulting in a perfect and easy project monitoring in all phases.



Residential connections



Small commercial connections



Smart Stations

Fio Cube

100 ■ 200 ■ 600

NEW!

Ultra compact prefabricated reducing stations for capacities up to 1000 Sm³/h

Main components:

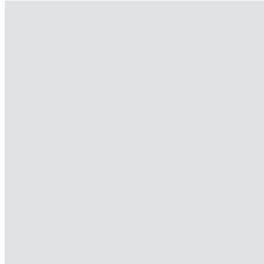
- SQD regulator with token relief valve and optional incorporated slam shut valve
- Inlet and Outlet Butterfly valve
- Cartridge G2 filter with connections on the cover suitable for monitoring pressure drop and inlet pressure



Gas Processing **Plants**

From the wellhead to the daily gas utilization.

Creating a different approach in handling sophisticated projects is our target. We have the ambition of being a single interface covering all the different aspects of the projects, regardless of the sophistication. An unique “single stop” concept resulting in a perfect and easy project monitoring in all phases.



Enclosed District Stations



Skid mounted units



HIPPS



Flowwatch



Multiphase Flow Meter



Power Plants
City Gate
Underground Storage



A New perspective: **Fiorentini Services**

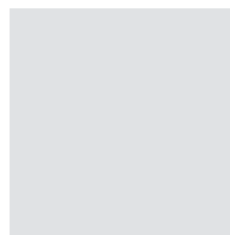
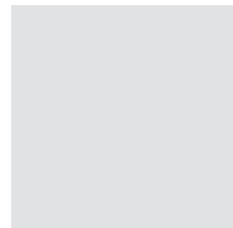


We offer the advantage of being a single reference for supporting you continuously long all phases involved by gas installations.

From their conception, to their implementation and ultimately to their everyday use with a wide range of Service solutions:



Installation and start up
On site Surveys
Maintenance and Emergency services
Plants and components removal and disposal.
Supplying and Handling of Odourisation Systems
Metering devices: installations, commissioning,
maintenance and disposal of metering devices
Cathodic Protection Monitoring
Spare Parts availability

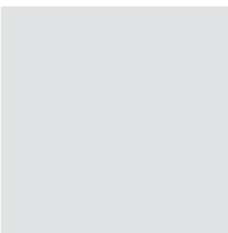
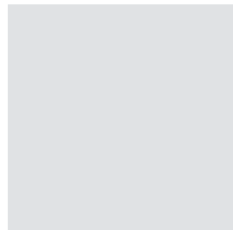
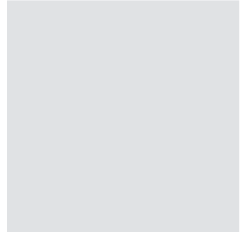




Professional Training Courses

Pietro Fiorentini offers a training service for its customers. The course can be carried out both for technicians responsible for running/managing natural gas transport and distribution systems and for equipment maintenance engineers.

We offer customized trainings to be done directly to your premises or in Pietro Fiorentini S.p.A. headquarter, we adapt the training program to specific gas companies needs.



 **Pietro Fiorentini**

www.fiorentini.com

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FP516-E-f

